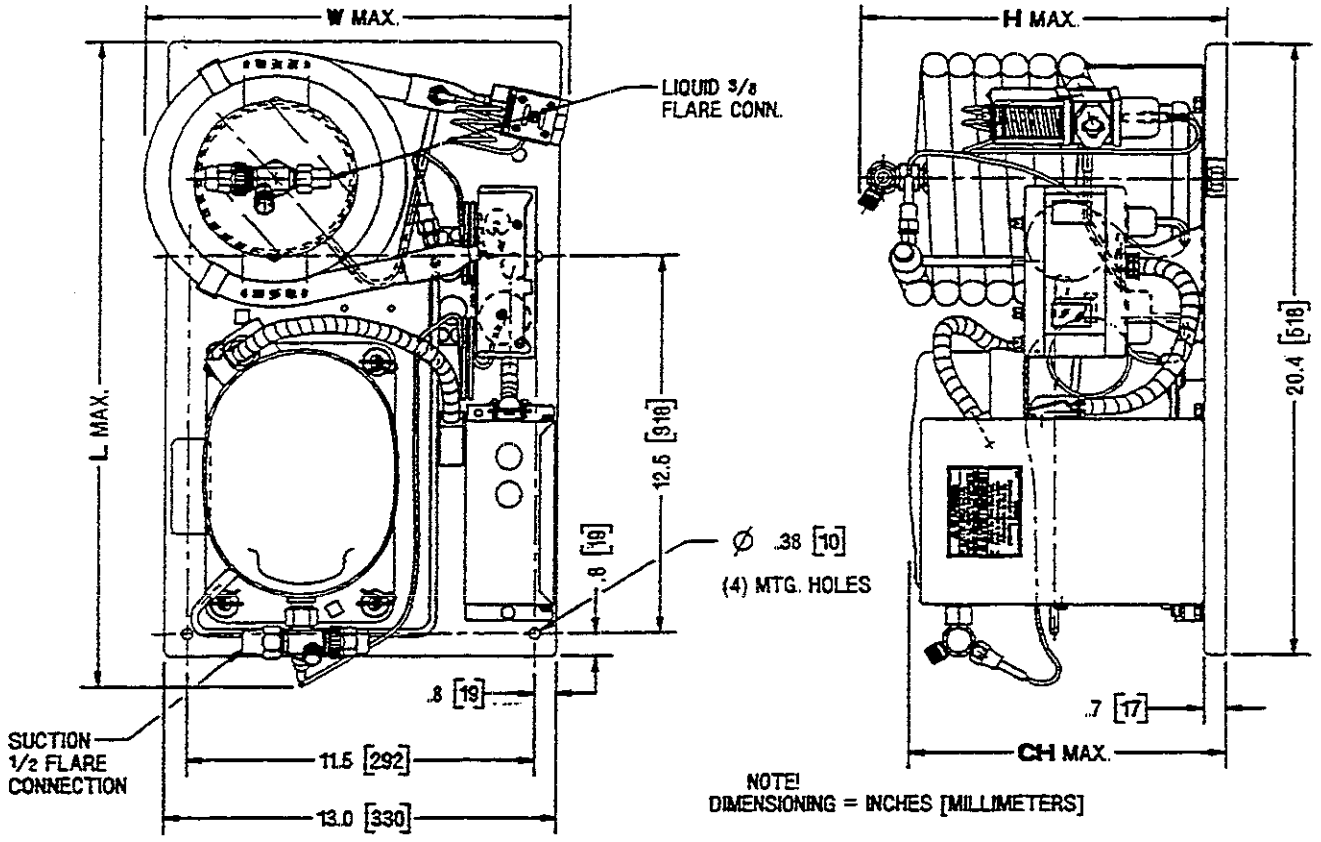
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-14-95

MODEL AKA4490Y**XW (Formerly AK4490YW) R134a 3/4 HP WATER COOLED



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.			
AKA4490Y**XW	21.4	14.0	11.7	10.1	1/2 F	1/4 F	4.8#	17	84

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**
Use 3/8" min. pipe size. Water valve inlet 3/8" NPT.

PERFORMANCE: Ambient 90°F–Return Gas 65°F–Condenser Water In 75°F–Head .135 psig					
Evaporator Temp °F	+20	+30	+40	+45	+50
BTU/HR.	4700	6100	8000	9000	10000
Water Usage - gpm	.35	.60	1.0	1.2	1.4
Watts	700	800	880	920	960

The water valve should be adjusted to maintain a maximum of 95°F water outlet temperature in order to minimize water scaling within the condenser.

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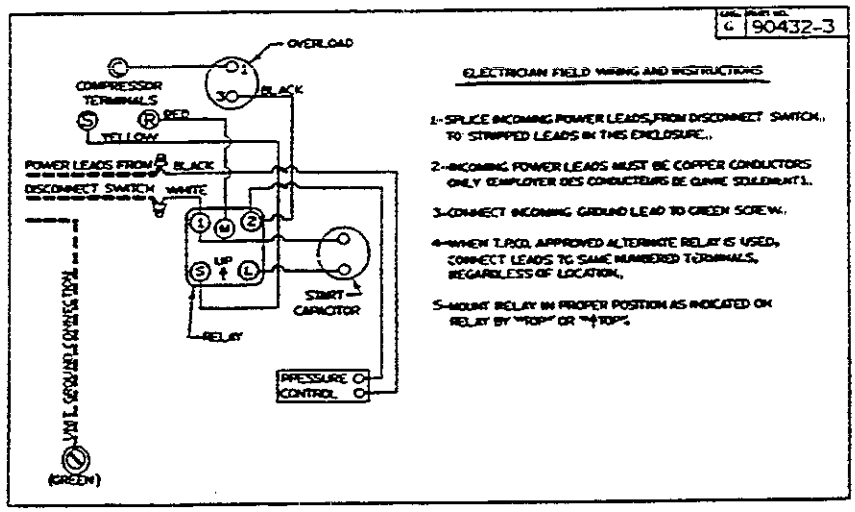
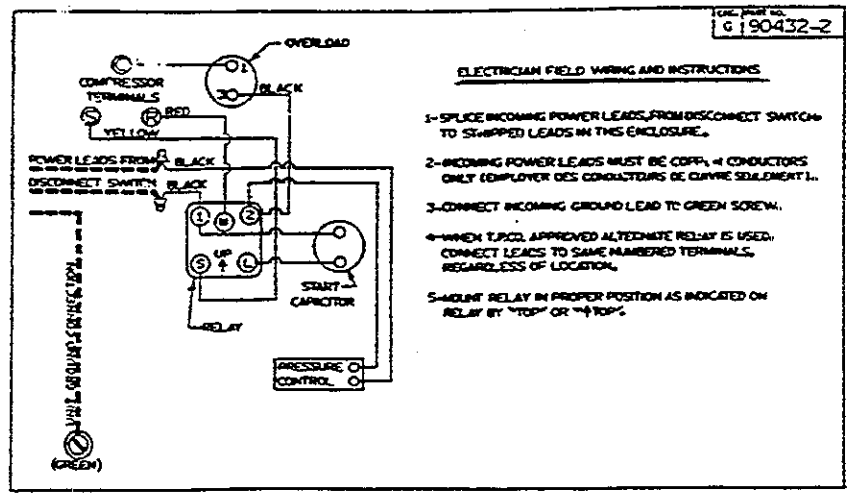
SPECIFICATIONS	AKA4490YXAXW	AKA4490YXDXW
Nominal Voltage	115-60-1	230/208-60-1
Unit B/M	2B778-1	2B779-1
Voltage Range	126 to 103.5	253 to 187
in. Circuit Ampacity	14.1	7.1
Max. Fuse Size (Amps)	25	15
Compressor Model	AKA4476YXA	AKA4476YXD
Bill of Material	AK169AT-038-P2	AK169ET-038-P2
RLA/LRA	11.3/58.8	5.7/27.4
Overload	8300MRAM53	8300MRAG56
Relay Box Assy.	AE1197-044A	AE1197-052A
Relay	82498-1	820ARR2H18
Cap. Start	85PS125A43	85PS250C53
Rating	378-455/125	135-155/250
Water Valve Regulator		56516
Pressure Controls --(Dual)		84056, 84056-1
Condenser		50827
Receiver Tank		51081
Receiver Tank Valve		31547
Unit Drawing		SU1909-57
Schematic or Elect. Dwg.		90432-3 (115)
		90432-2 (230)


G 90432-3
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
WHITE
UP
START CAPACITOR
RELAY
PRESSURE CONTROL
(GREEN)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1-SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH TO STRIPPED LEADS IN THIS ENCLOSURE.
2-INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT).
3-CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4-WHEN T.P.C.O. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5-MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "↑TOP".


G 90432-2
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
BLACK
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START CAPACITOR
RELAY
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U.L. Listed ----------File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA Filem #8873C